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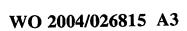
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[Continued on next page]

(54) Title: PHENOL DERIVATIVES AND THEIR USE AS ROTAMASE INHIBITORS

(57) Abstract: The present invention is related to a compound of the formula (I), (II), (IV), (V): wherein Z_1 , Z_2 , Z_3 and Z_4 are each and independently selected from the group comprising C(O)-, -C(S)-, -C(O)-NR₁₀-, -C(S)-NR₁₁-, -C(N-CN)-NR₁₂-, -S(O)-, -S(O)-, -S(O)-NR₁₃-, and $S(O_2)$ -NR₁₄-, -O-, -S- or are each and individually absent; X is a spacer and is independently selected from the group comprising -M1-Ll-K-L2-M2-, wherein Y. is selected from the group comprising alkyl, substituted alkyl, straight alkyl, substituted straight alkyl, branched alkyl, substituted branched alkyl, straight alkenyl, substituted branched alkynyl, substituted branched alkynyl, substituted branched alkynyl, substituted cycloalkyl, substituted branched alkynyl, substituted branched alkynyl, substituted branched alkynyl, substituted branched alkynyl, substituted betarocyclyl, substituted betarocyclyl, poly-unsaturated heterocyclyl, poly-unsaturated heterocyclyl, poly-unsaturated heterocyclyl, poly-substituted poly-unsaturated heterocyclyl, mono-substituted mono-unsaturated heterocyclyl, mono-substituted mono-unsaturated heterocyclyl, aryl, substituted aryl, heteroaryl and substituted heteroaryl, wherein Y is different from a peptide or is absent.





European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPl patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

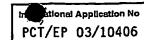
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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07C275/34 C07C335/18 A61K31/17

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 A61K C07C

mentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Furtronic data base consulted during the international search (name of data base and, where practical, search terms used)

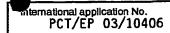
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DOCUMI	ENTS CONSIDERED TO BE RELEVANT		
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(WO 02/059080 A (GUILFORD PHAR INC.) 1 August 2002 (2002-08- page 104 - page 119; claims 1	1-183	
Χ .	WO 02/44126 A (GUILFORD PHARM INC.) 6 June 2002 (2002-06-06 page 104 - page 140; claims 1	1-183	
X	WO 01/017953 A (GUILFORD PHAR INC.) 15 March 2001 (2001-03- page 33 - page 51; claims 1-9	1–183	
Y	WO 98/37882 A (GUILFORD PHARM INC.) 3 September 1998 (1998- page 37 - page 49; claims 1-2	1-183	
X Furl	ther documents are listed in the continuation of box C.	Patent family members are listed	in annex.
"A" docum consi "E" eartier filing "L" docum which cliatic "O" docum other "P" docum tater the consistent of the consist	ategories of cited documents: tent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date determined the company of the cited to establish the publication date of another on or other special reason (as specified) ment referring to an oral disclosure, use, exhibition or means the published prior to the international filing date but than the priority date claimed actual completion of the international search	"T" later document published after the Inte or priority date and not in conflict with cited to understand the principle or th invention "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the decay of the cannot be considered to involve an inventive step when the decay of the cannot be considered to involve an indecument is combined with one or manners, such combination being obvious in the art. "&" document member of the same patent of mailing of the international see	the application but early underlying the claimed invention it be considered to coument is taken alone claimed invention early to step when the one other such docupus to a person skilled family
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Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni,	Authortzed officer Kyriakakou, G	



In Intional Application No
PCT/EP 03/10406

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category •	Cliation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Υ	US 6 242 468 B1 (JIA-HE LI ET AL.) 5 June 2001 (2001-06-05) column 1 - column 7, line 2		1–183
Υ	US 2002/049199 A1 (GREGORY S. HAMILTON ET AL.) 25 April 2002 (2002-04-25) page 1, column 1 - page 3, column 1		1-183
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INTERNATIONAL SEARCH REPORT

Box I Observations where certain daims were found unsearchable (Continuation of item 1 of first sheet)	
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
2. X Claims Nos.:	
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows:	
see additional sheet	
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.	
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:	
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:	
1-183 (incompletely)	
Remark on Protest The additional search fees were accompanied by the applicant's protest.	
No protest accompanied the payment of additional search fees.	

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: -

Present claims 1-183 relate to an extremely large number of possible compounds and compositions for use. In fact, the claims contain so many options, variables, that a lack of clarity (and/or conciseness) within the meaning of Article 6 PCT arises to such an extent as to render a meaningful search of the claims impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear (and/or concise), namely those compounds recited in the examples and closely related homologous compounds Formula 1, where X=-(CRR)-NR-CO-NR-CRR, -(CRR)-NR-CS-NR-(CRR).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.



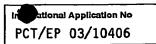
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